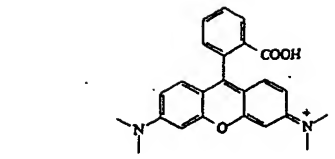
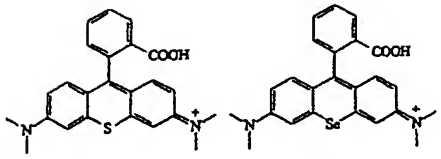
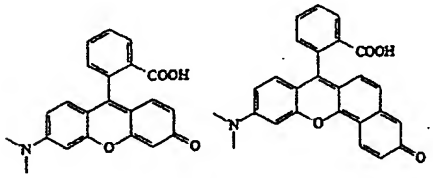
Figure 1



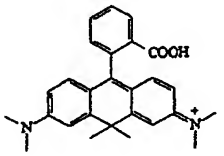
Rhodamines



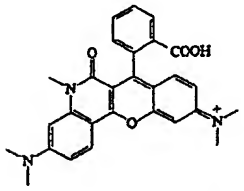
Thiorhodamines, selenorhodamines



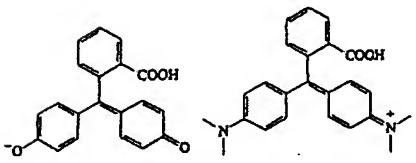
Rhodol dyes



Carbopyronines

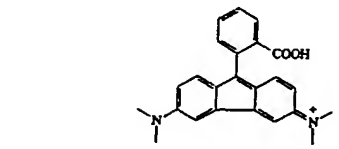


Amidopyrylium dyes

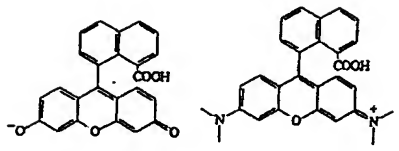


Triphenylmethane dyes

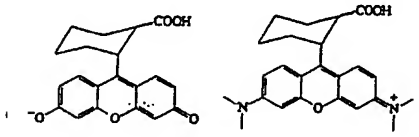
Figure 1 (continued)



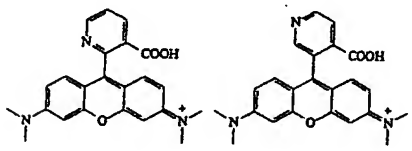
Fluorene derivatives



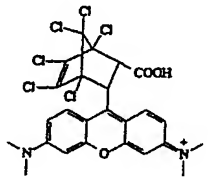
from naphthalic anhydride



from cyclohexanedicarboxylic acid anhydrides



from pyridinedicarboxylic acid anhydrides



from 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dicarboxylic acid anhydride

Figure 2

Spectral data in ethanol

(s: acidified with 1% trifluoroacetic acid; b: basic with 1% triethylamine)

λ_a: Absorbance maximum

λ_f: Fluorescence maximum

η_f: Fluorescence quantum yield

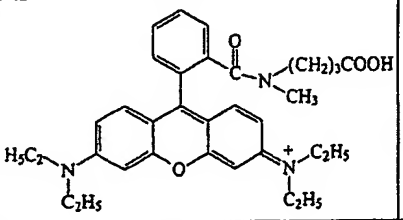
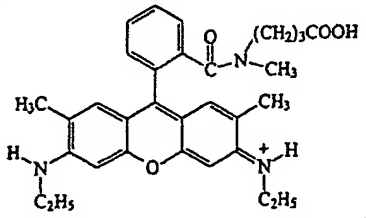
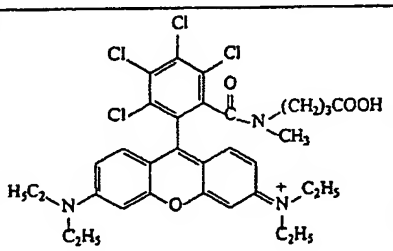
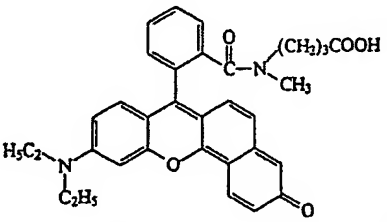
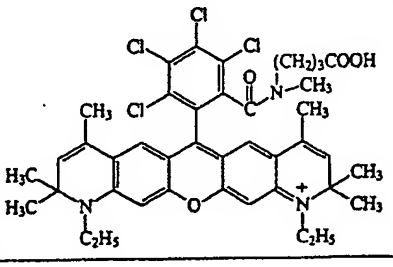
	Structure	λ_a / nm	λ_f / nm	η_f / %
1 NK 50		561	585	48
2 NK 51		536	563	92
3 NK 54		584	606	35
4 NK 56		566, s 622, b	650, b	40
5 NK 57		624	650	88

Figure 2 (continued)

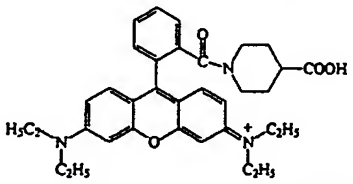
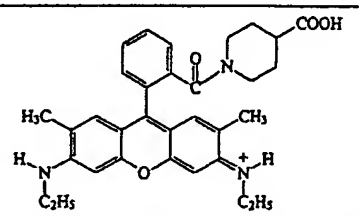
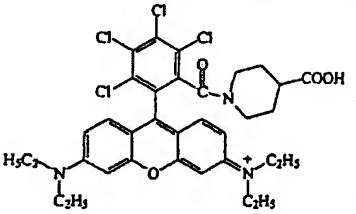
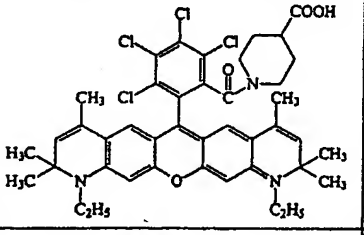
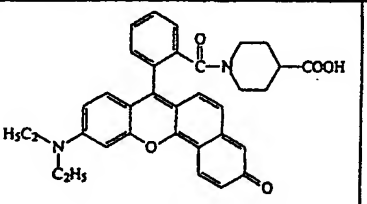
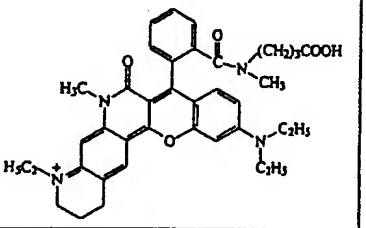
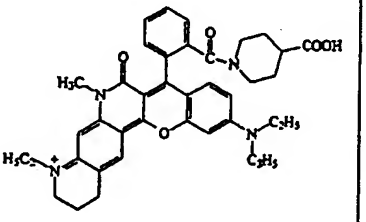
6 NK 58		562	586	46
7 NK 59		535	565	92
8 NK 60		584	605	34
9 NK 61		625	655	89
10 NK 62		565, s 623, b	650, b	40
11 NK 63		615	680	10
12 NK 64		614	677	9

Figure 2 (continued)

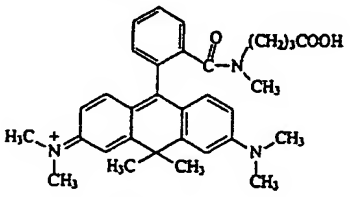
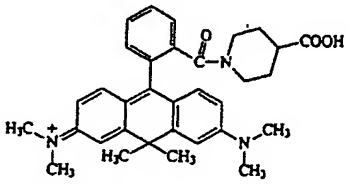
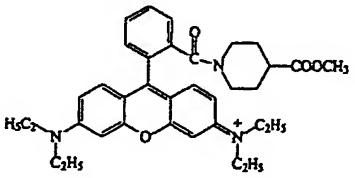
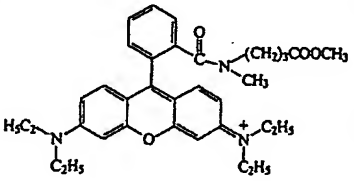
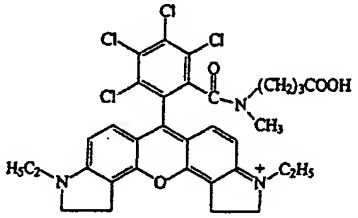
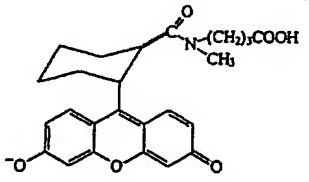
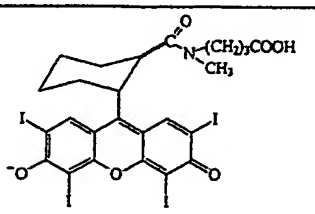
13 NK 65		618	650	66
14 NK 66		618	648	65
15 NK 76		563	586	46
16 NK 77		561	585	48
17 NK 78		619	644	69
18 NK 136		512, b	530, b	85
19 NK 106		530	556	20

Figure 2 (continued)

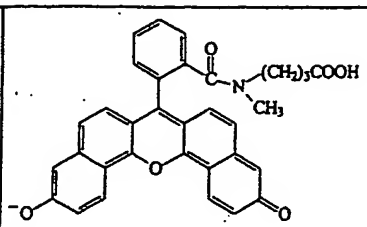
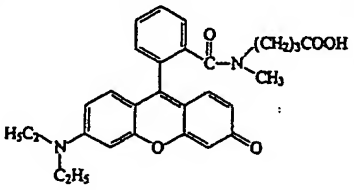
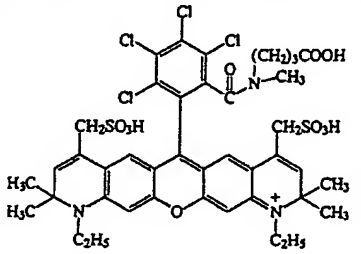
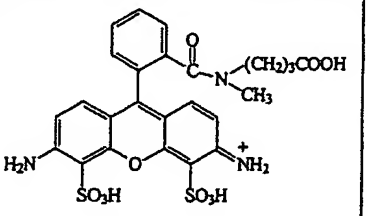
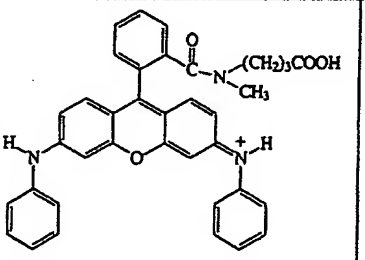
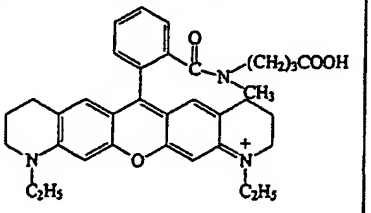
20 NK 80		645, b	700, b	16
21 NK 81		520, b	545, b	80
22 NK 82		624	644	89
23 NK 83		496	519	80
24 NK 107		552	-	0,5
25 NK 84		573	595	92

Figure 2 (continued)

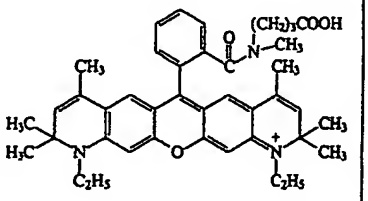
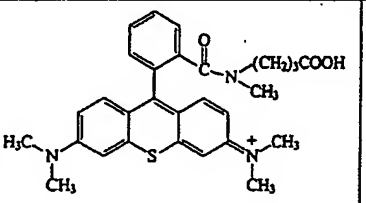
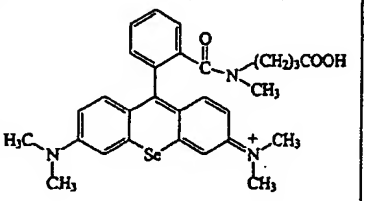
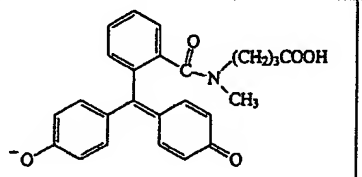
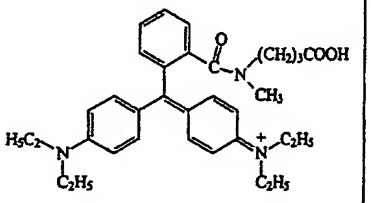
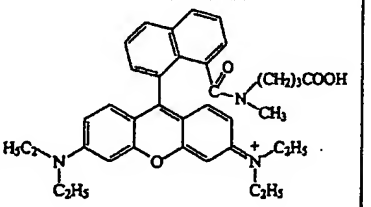
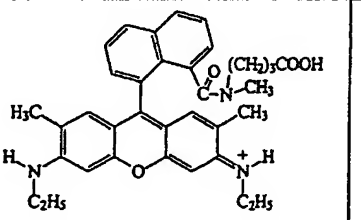
26 NK 85		601	627	88
27 NK 86		575	600	45
28 NK87		580	-	0
29 NK 88		570, b	-	0
30 NK 89		640	-	0
31 NK 90		565	590	55
32 NK 108		538	560	90

Figure 2 (continued)

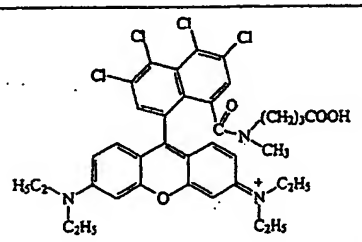
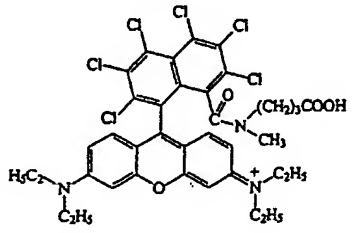
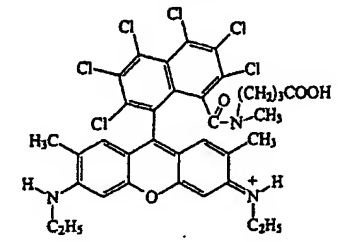
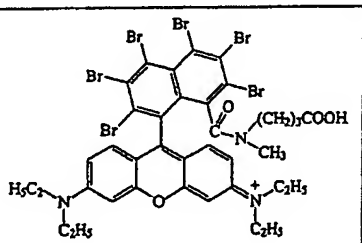
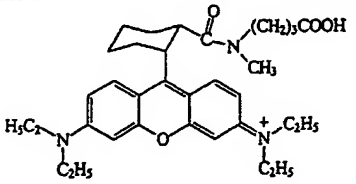
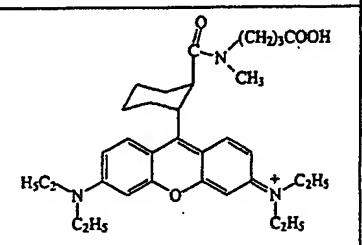
33 NK 91		575	605	35
34 NK 92		585	615	30
35 NK 109		562	594	80
36 NK 93		581	610	30
37 NK 94		558	580	48
38 NK 95		558	580	48

Figure 2 (continued)

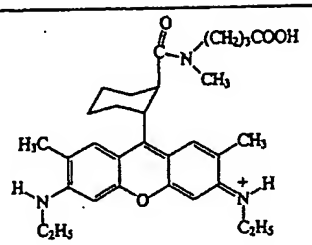
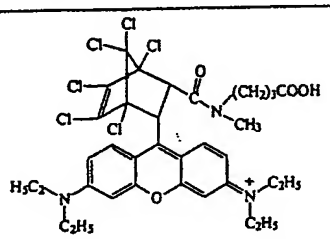
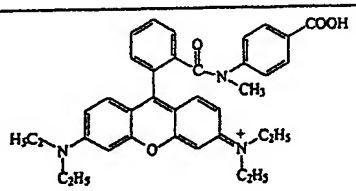
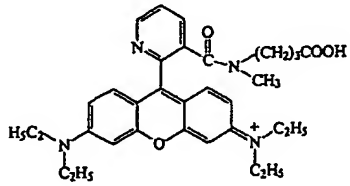
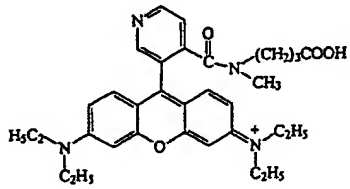
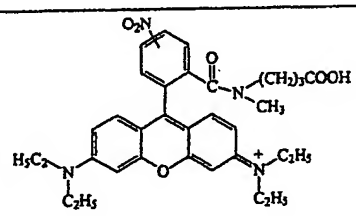
39 NK 110		533	560	87
40 NK 96		570	597	45
41 NK 99		556	578	35
42 NK 102		562	590	45
43 NK 103		562	590	45
44 NK 104		557	575	1

Figure 2 (continued)

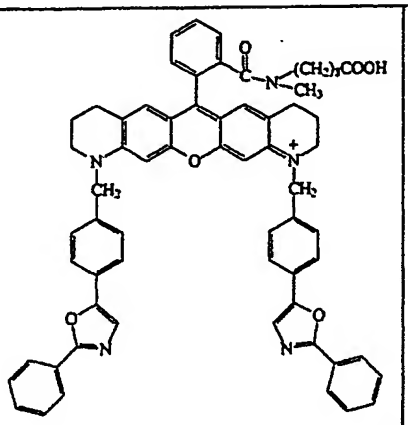
45 NK 105		573	596	92

Figure 3

Spectral data in ethanol

λ_a: Absorbance maximum

λ_f: Fluorescence maximum

η_f: Fluorescence quantum yield

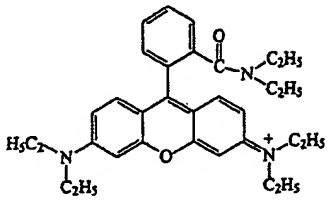
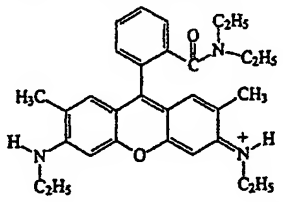
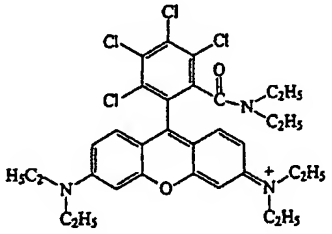
	Structure	λ_a / nm	λ_f / nm	η_f / %
46 NK 47		563	588	47
47 NK 48		536	565	92
48 NK 52		585	607	34

Figure 3 (continued)

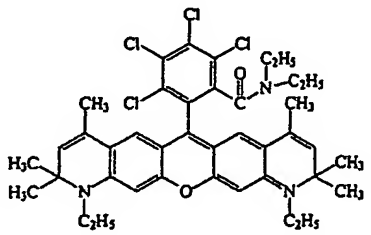
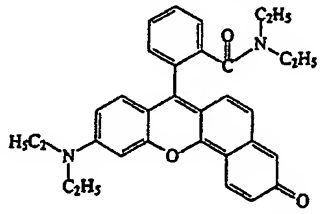
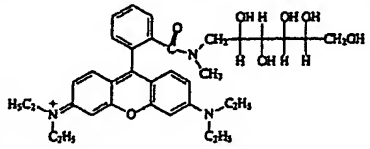
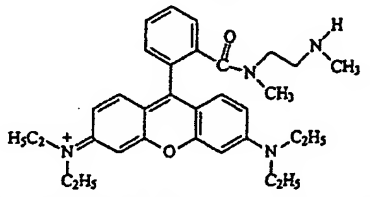
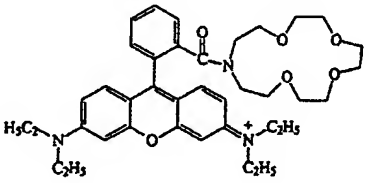
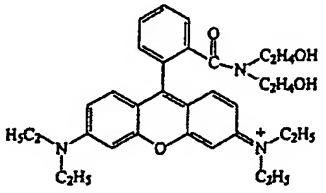
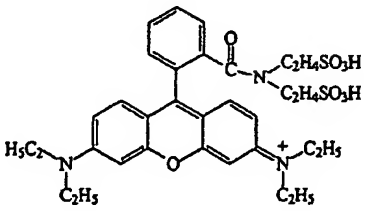
49 NK 53		626	648	87
50 NK 55		562, s 623, b	650, b	40
51 NK 67		561	585	46
52 NK 68		563	585	47
53 NK 70		563	584	46
54 NK 71		559	583	45
55 NK 97		562	586	47

Figure 3 (continued)

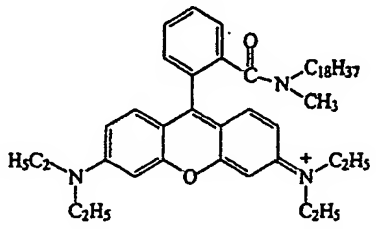
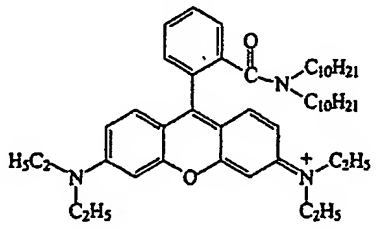
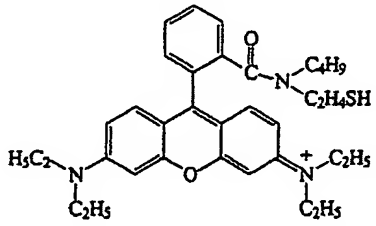
56 NK 98		563	586	48
57 NK 100		562	585	48
58 NK 101		562	585	48

Figure 4

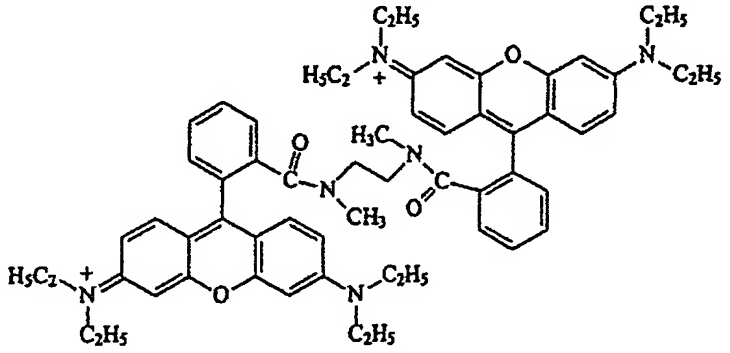
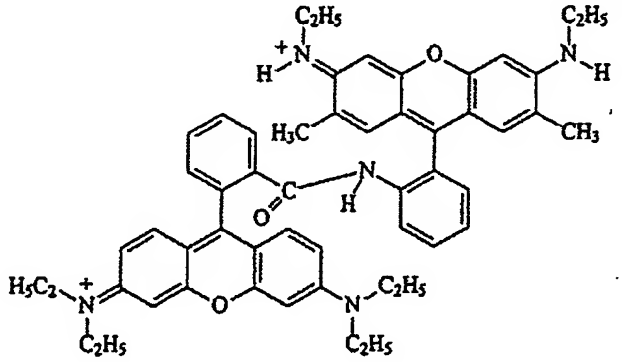
	Structure
59 NK 69	
60 NK 72	

Figure 5

NK 51

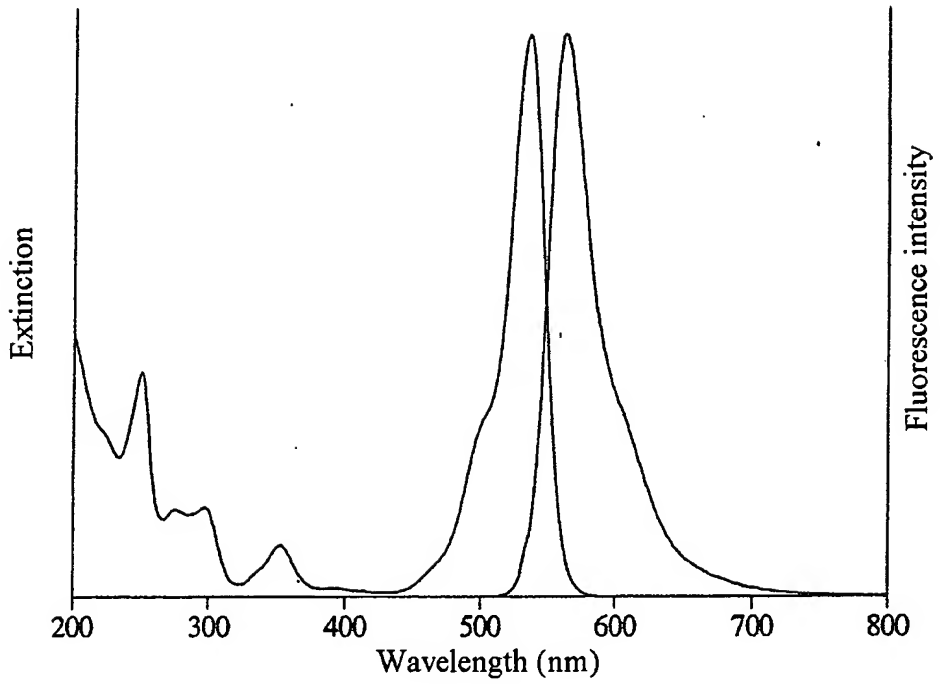


Figure 6

NK 56

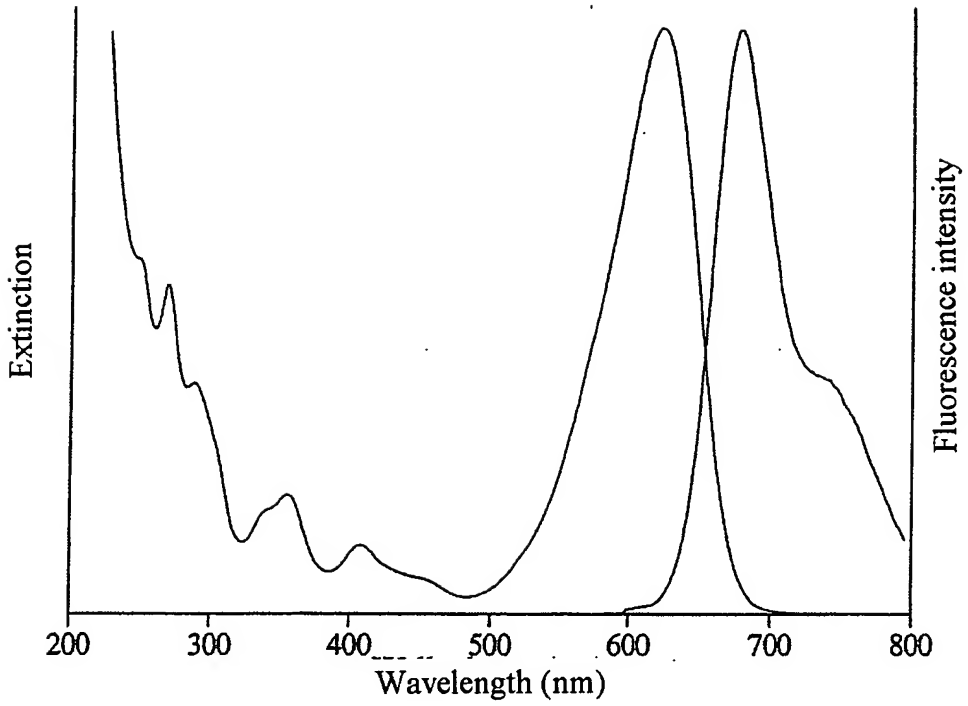


Figure 7

NK 63

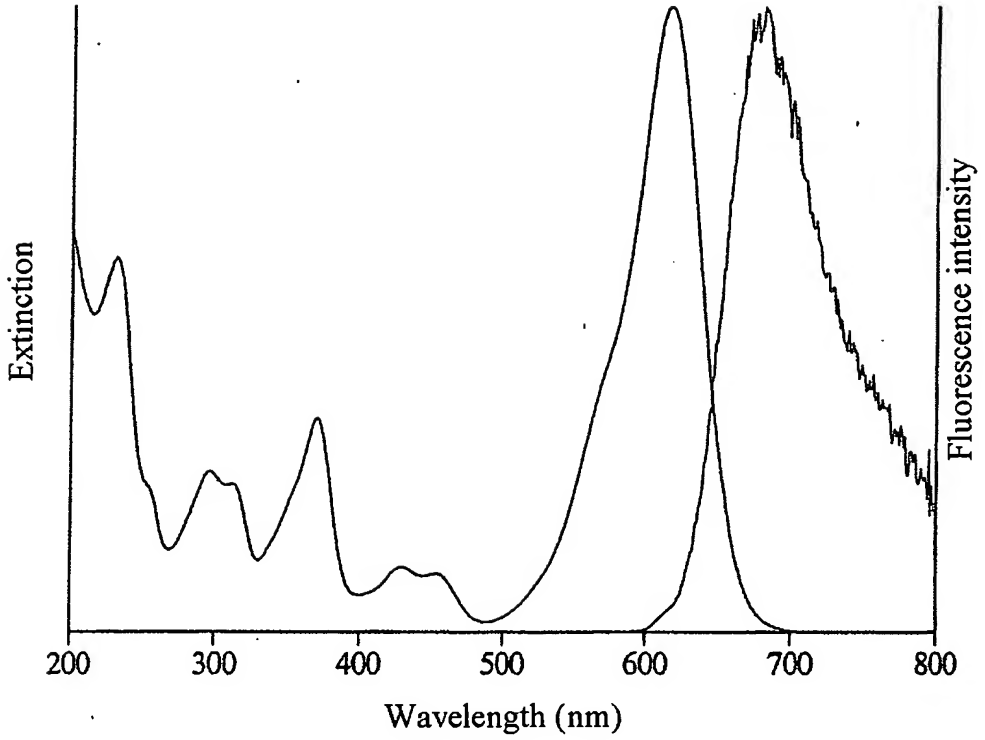


Figure 8

NK 65